

SEQUENCE LISTING

<110> Apotech R & D S.A.
Biogen, Inc.

<120> April Receptor (BCMA) and Uses Thereof

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<140> PCT/US00/27579

<141> 2000-10-05

<150> 60/215688

<151> 2000-06-30

<150> 60/181807

<151> 2000-02-11

<150> 60/157933

<151> 1999-10-06

<160> 12

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<211> 736

<212> DNA

<213> murine

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180

cacaaataac gggttattgt ttataaatac tactattgcc agcattgctg ctaaagaaga
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aggggtatct ctcgagaaaa gagaacaaaa actcatttct gaggaagatc tgaataaaga
300

gtccactca gtccatgcac ttgttccagt taacattacc tccaaggact ctgacgtgac
360

agaggtgatg tggcaaccag tacttaggcg tgggagaggc ctggaggccc agggagacat
420

tgtacgagtc tgggacactg gaatttatct gctctatagt caggtcctgt ttcattgatgt
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gactttcaca atggggtcagg tggatatctcg ggaaggacaa gggagaagag aaactctatt
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tctccactac accgttggtc atgaatccgc accctctccg gacctccggg tccctctgta
420
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<210> 3
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<212> PRT
<213> homo sapiens

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Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr Ala Gln

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ile | Pro | Ala | Glu | Ala | Val | Ile | Gly | Tyr | Ser | Asp | Leu | Glu | Gly | Asp | Phe |
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| Asp | Val | Ala | Val | Leu | Pro | Phe | Ser | Asn | Ser | Thr | Asn | Asn | Gly | Leu | Leu |
| 50 | | | | | 55 | | | | | 60 | | | | | |
| Phe | Ile | Asn | Thr | Thr | Ile | Ala | Ser | Ile | Ala | Ala | Lys | Glu | Glu | Gly | Val |
| 65 | | | | | 70 | | | | | 75 | | | | | |
| Ser | Leu | Glu | Lys | Arg | Glu | Gln | Lys | Leu | Ile | Ser | Glu | Glu | Asp | Leu | Asn |
| 85 | | | | | 90 | | | | | 95 | | | | | |
| Lys | Glu | Leu | His | Ser | Val | Leu | His | Leu | Val | Pro | Val | Asn | Ile | Thr | Ser |
| 100 | | | | | 105 | | | | | 110 | | | | | |
| Lys | Asp | Ser | Asp | Val | Thr | Glu | Val | Met | Trp | Gln | Pro | Val | Leu | Arg | Arg |
| 115 | | | | | 120 | | | | | 125 | | | | | |
| Gly | Arg | Gly | Leu | Glu | Ala | Gln | Gly | Asp | Ile | Val | Arg | Val | Trp | Asp | Thr |
| 130 | | | | | 135 | | | | | 140 | | | | | |
| Gly | Ile | Tyr | Leu | Leu | Tyr | Ser | Gln | Val | Leu | Phe | His | Asp | Val | Thr | Phe |
| 145 | | | | | 150 | | | | | 155 | | | | | |
| Thr | Met | Gly | Gln | Val | Val | Ser | Arg | Glu | Gly | Gln | Gly | Arg | Arg | Glu | Thr |
| 165 | | | | | 170 | | | | | 175 | | | | | |
| Leu | Phe | Arg | Cys | Ile | Arg | Ser | Met | Pro | Ser | Asp | Pro | Asp | Arg | Ala | Tyr |
| 180 | | | | | 185 | | | | | 190 | | | | | |
| Asn | Ser | Cys | Tyr | Ser | Ala | Gly | Val | Phe | His | Leu | His | Gln | Gly | Asp | Ile |
| 195 | | | | | 200 | | | | | 205 | | | | | |
| Ile | Thr | Val | Lys | Ile | Pro | Arg | Ala | Asn | Ala | Lys | Leu | Ser | Leu | Ser | Pro |
| 210 | | | | | 215 | | | | | 220 | | | | | |
| His | Gly | Thr | Phe | Leu | Gly | Phe | Val | Lys | Leu | | | | | | |
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<212> DNA

<213> homo sapiens

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420
gtgtcttcca ttacaccaa ggggatattc tgagtgtcat aattccccgg gcaagggcga
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<213> homo sapiens

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120

tgagacagga cgtggaccaa gggtaattgc ggtggagggt cctactgagg ctacactgtc
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tccactacac cgttgggtcga gaatccgcac cctctccgga tgcctggggt cctataccac
240

aggcttaggt cctacgacct caaatagacg acatatcggt ccaggacaaa gttctgcact
300

gaaagtggta cccagtcacac cacagagctc ttccggttcc ttccgtcctc tgagataagg
360

ctacatatct ttcatacggg aggggtgggcc tggcccggat gttgtcgacg atatcgcgct
420

cacagaaggt aaatgtgggt cccctataag actcacagta ttaaggggcc cgttcccgcct
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<212> PRT

<213> homo sapiens

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Gln Lys Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr
35 40 45

Ser Lys Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu
50 55 60

Arg Arg Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln
65 70 75 80

Asp Ala Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val
85 90 95

Thr Phe Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln
100 105 110

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| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Thr | Leu | Phe | Arg | Cys | Ile | Arg | Ser | Met | Pro | Ser | His | Pro | Asp | Arg |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| Ala | Tyr | Asn | Ser | Cys | Tyr | Ser | Ala | Gly | Val | Phe | His | Leu | His | Gln | Gly |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Asp | Ile | Leu | Ser | Val | Ile | Ile | Pro | Arg | Ala | Arg | Ala | Lys | Leu | Asn | Leu |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| Ser | Pro | His | Gly | Thr | Phe | Leu | Gly | Phe | Val | Lys | Leu | | | | |
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<210> 7
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 35 40 45
 Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu
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 Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile

A083seq.txt

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| Ser | Ser | Glu | Pro | Leu | Lys | Asp | Glu | Phe | Lys | Asn | Thr | Gly | Ser | Gly | Leu |
| | | | | 85 | | | | | 90 | | | | | 95 | |
| Leu | Gly | Met | Ala | Asn | Ile | Asp | Leu | Glu | Lys | Ser | Arg | Thr | Gly | Asp | Glu |
| | | | 100 | | | | | 105 | | | | | 110 | | |
| Ile | Ile | Leu | Pro | Arg | Gly | Leu | Glu | Tyr | Thr | Val | Glu | Glu | Cys | Thr | Cys |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| Glu | Asp | Cys | Ile | Lys | Ser | Lys | Pro | Lys | Val | Asp | Ser | Asp | His | Cys | Phe |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Pro | Leu | Pro | Ala | Met | Glu | Glu | Gly | Ala | Thr | Ile | Leu | Val | Thr | Thr | Lys |
| 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| Thr | Asn | Asp | Tyr | Cys | Lys | Ser | Leu | Pro | Ala | Ala | Leu | Ser | Ala | Thr | Glu |
| | | | | 165 | | | | | 170 | | | | | 175 | |
| Ile | Glu | Lys | Ser | Ile | Ser | Ala | Arg | | | | | | | | |
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<210> 10
 <211> 483
 <212> DNA
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<210> 12
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<212> PRT
<213> homo sapiens

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35 40 45
Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg Tyr Cys
50 55 60
Asn Ala Ser Val Thr Asn Ser Val Lys Gly Val Asp Lys Thr His Thr
65 70 75 80
Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
85 90 95
Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
100 105 110
Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
115 120 125
Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
130 135 140
Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
145 150 155 160
Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
165 170 175
Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
180 185 190
Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
195 200 205
Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
210 215 220
Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
225 230 235 240
Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
245 250 255
Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
260 265 270
Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
275 280 285
Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
290 295 300